

Homework 1 Statements

Tuesday, 6 September 2007

Problem 1 An ultralight aircraft is 5 miles due west of the landing field. It can fly 25 miles per hour in stationary air. However, the wind is blowing at 25 miles per hour from the southwest at a 60° angle to the direction toward the landing field. (a) At what angle relative to the east must the pilot aim her craft to reach the landing field? Explain. (b) How long will it take her to reach the landing field if she flies as described in part (a)?

